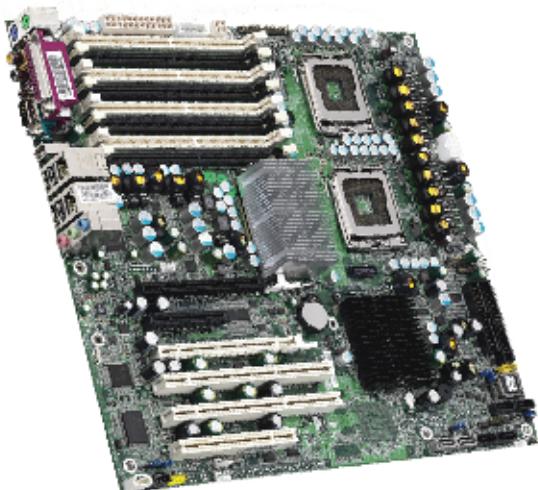


Value DP Workstation Solution



Tempest i5400XT

S5396WA2NRF / S5396A2NRF



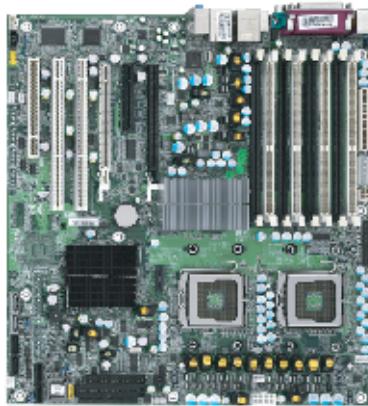
Intel® Dual Woodcrest/Clovertown/Hapertown/Wolfdale-DP processors

- Intel® Dual Woodcrest/Clovertown/Hapertown/Wolfdale-DP processors
- Supports 1.06/1.33 GHz FSB
- 8 FBDIMM DIMM slot up to 64GB capacity
- Expansion Capability
 - Two (2) PCI Express x16 slots (with x16 signal from Seaburg)
 - One (1) PCI Express x8 slot (x8 signal from 6321ESB)
 - Two (2) PCI-X 66/100/133 Slots
 - One PCI 32/33 slot
- (2) GbE from 6321ESB Firewire support
- High definition Audio w/ ALC888 codec
- Six SATA2 Port Running at 3Gb/Sec, support AHCI and RAID
- Integrated SAS - LSI 1068E SAS , Eight (8) SAS ports
- Trusted Platform Management (TPM) - Infineon SLB9635TT 1.2

Tempest i5400XT

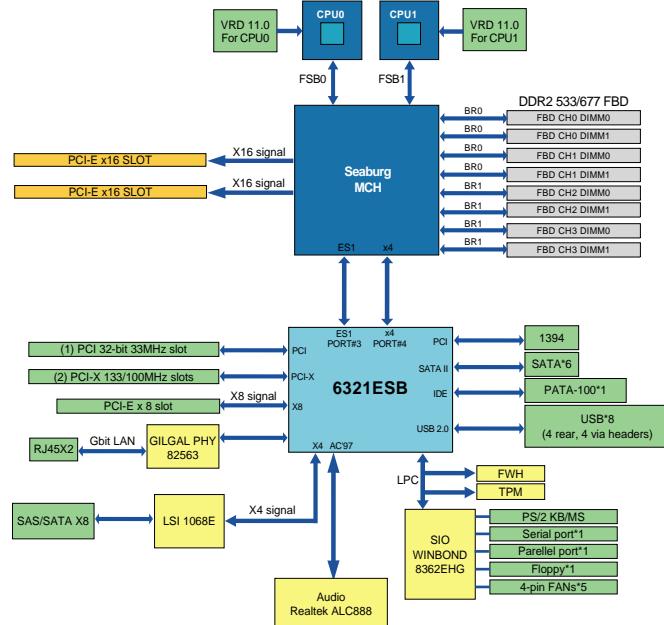
S5396WA2NRF / S5396A2NRF

▼TOP View



Block Diagram

Woodcrest/Clovertown/Hapertown/Wolfdale



S P E C I F I C A T I O N S

Processors

- . Dual LGA771 sockets
- . Supports up to two Intel® Woodcrest/Clovertown/Wolfdale/Hapertown processors
- . 1.33 / 1.06GHz FSB
- . VRD 11.0

Expansion Slots

- . Two (2) PCI Express x16 slots (from MCH)
- . One (1) PCI Express x8 slot (x8 signal from 6321ESB)
- . Two (2) PCI-X 133/100MHz slots from 6321ESB
- . One (1) PCI 32-bit 33MHz slot
- . Total six expansion slots

Chipset

- . Intel® 5400 MCH + 6321ESB

Chipset

- . Support for 1.33 / 1.06GHz FSB
- . Winbond W83627EHG Super I/O Chip

System Management

- . ADI Hardware Monitor with PECL circuit
- . CPU thermal & voltage monitor support
- . Five (5) fan headers (4-pin configuration)

Memory

- . Eight 240-pin DDR2 FB-DIMM sockets
- . 4 memory channels
- . Supports ECC DIMMs
- . Maximum of 64/32 GB DDR2-533/677

Integrated Serial ATA II

- . Six (6) SATA-II ports running at 3.0 Gb/s
- . RAID 0, 1, 5, 10 support in Windows

Integrated SAS

- . LSI 1068E SAS Controller
- . PCI-E x4 interface to 6321ESB
- . Eight SAS Ports

Back Panel I/O Ports

- . Stacked PS/2 keyboard and mouse connectors
- . One SPDIF in/out
- . Stacked Serial (one) and parallel (one) connectors
- . Two stacked dual USB ports w/ GbE RJ-45 connectors
- . FireWire (1394a) connector
- . Stacked Line-in, Line-out, Mic-in audio connectors

Trusted Platform Management (TPM)

- . Infineon SLB9635TT 1.2

Integrated I/O Interfaces

- . Two USB 2.0 headers
- . Six standard/integrated SATA-II connectors
- . One IDE and one Floppy CON
- . Eight SAS Ports
- . One 4-pin CD-in and one 4-pin Aux header
- . One 9-pin front panel audio header

Integrated LAN controllers

- . Intel® Gigabit from 6321ESB (w/ dual ports "Gilgal" 82563)
- . Two RJ-45 ports with LEDs

Integrated Audio

- . HDA link
- . RealTek ALC888 controller (High Definition Audio)
- . Line-in, Line-out, Mic-in rear ports
- . Front panel audio header
- . CD-in, Aux headers (4-pin configuration)
- . SPDIF in/out connector in rear

Integrated PCI 1394

- . TI TSB43AB22 1394a controller
- . 1394a channel for rear (connector)
- . 1394a channel for front (header)

Server Management

- . Baseboard Management Controller (BMC) from daughter card M3291
- . Tailored for IPMI 2.0 specification
- . Supports remote power on/off and reset (IPMI over-LAN)
- . Server Management Daughter card via built-in 2x25 header

BIOS

- . PhoenixBIOSR on 8Mbit Flash ROM
- . Support APM 1.2, ACPI 2.0
- . Serial Console Redirect
- . PXE via Ethernet, USB device boot
- . PnP, DMI 2.0, WfM 2.0 Power

Management

- . User-configurable H/W monitoring
- . Auto-configuration of hard disk types
- . Multiple boot options
- . 48-bit LBA support

Power

- . EPS12V/SSI (24+8+2X2 pin) power connectors

Note: If Slot6 (PCI-E X16 slot, the one closest to the memory slots) is used, 4X1 pin power connector must be plugged in)

Form Factor

- . SSI / Extended ATX (12" x 13')

Regulatory

- . FCC Class B (DoC)
- . European Community CE (DoC)

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